

| QTY. | PIPE SIZE<br>NPS | OAL<br>(IN) | LL<br>(IN) | H<br>(IN) | APPROX.<br>SPRING<br>FORCE *<br>(LBS) | WORKING<br>PRESSURE<br>(PSIG) | MAX. TEST<br>PRESSURE<br>(PSIG) | ALLOWABLE<br>MOTIONS X, Y,<br>OR Z |
|------|------------------|-------------|------------|-----------|---------------------------------------|-------------------------------|---------------------------------|------------------------------------|
|      | 1-1/2"           | 35-3/4"     | 18"        | 16-1/4"   | 75                                    | 472                           | 708                             | 4"                                 |
|      | 2"               | 40-1/2"     | 20"        | 18-3/4"   | 82                                    | 516                           | 774                             |                                    |
|      | 2-1/2"           | 43-1/2"     | 20-1/2"    | 19-3/4"   | 86                                    | 387                           | 581                             |                                    |
|      | 3"               | 49-3/4"     | 23-1/2"    | 22-3/4"   | 93                                    | 316                           | 474                             |                                    |
|      | 4"               | 56-1/2"     | 25-1/2"    | 25-1/2"   | 127                                   | 232                           | 348                             |                                    |
|      | 5"               | 65"         | 28-1/2"    | 29"       | 214                                   | 191                           | 286                             |                                    |
|      | 6"               | 72"         | 30-1/2"    | 32"       | 228                                   | 165                           | 247                             |                                    |
|      | 8"               | 85-1/2"     | 34"        | 37-1/2"   | 312                                   | 234                           | 350                             |                                    |
|      | 10"              | 100-1/4"    | 38-1/2"    | 43-3/4"   | 345                                   | 230                           | 344                             |                                    |
|      | 12"              | 112-1/4"    | 41"        | 48-1/2"   | 399                                   | 161                           | 241                             |                                    |


**TOTAL FORCE NECESSARY TO ACCOMODATE FULL MOTION, CALCULATED @ 150 PSIG**  
**NOTE: 1) MAXIMUM OPERATING TEMPERATURE: 800° F. 2) OTHER STYLE FLANGES AVAILABLE.**

**\* FOR SAFE WORKING PRESSURE ABOVE 70°F, MULTIPLY PRESSURE SHOWN AT 70°F TIMES CORRECTION FACTOR OF REQUIRED TEMP.**

| TEMP °F | FACTOR |
|---------|--------|
| 70      | 1.0    |
| 200     | .92    |
| 300     | .86    |
| 400     | .82    |
| 500     | .77    |
| 600     | .73    |

**CUSTOMER:** \_\_\_\_\_  
**PROJECT:** \_\_\_\_\_  
**ENGINEER:** \_\_\_\_\_  
**PURCHASE ORDER:** \_\_\_\_\_



| REV.   | DATE                   |
|--|------------------------|
|  |                        |
| <br><b>ENGINEERED FLEXIBLE PRODUCTS, INC.</b> |                        |
| 5331 Quam Ave., N.E.<br>St. Michael, MN 55376<br>TEL:763-201-2151<br>FAX:763-201-2134<br>www.engineeredflex.com                    |                        |
| <b>SEISMIC V-LOOPS</b><br><b>FLANGED ENDS: 4" MOVEMENT</b>   |                        |
| DRAWN BY: AD   | DATE: 11/02/2010       |
| APPROVED:  | DATE:                  |
| SCALE: NONE  | DRAWING NUMBER: SVLF-4 |